

DEPARTMENT OF THE NAVY
ENGINEERING FIELD ACTIVITY NORTHEAST (EFA NE)
REMEDIAL ACTION CONTRACT (RAC)
CONTRACT NO. N62472-99-D-0032
CONTRACT TASK ORDER 0048

WORK PLAN FOR REVIEW ITEM AREA 55A
REMOVAL AND SOIL REMEDIATION OF SEVEN TRANSMITTER ANTENNA TOWERS
AT THE FORMER NAVAL AIR STATION SOUTH WEYMOUTH
SOUTH WEYMOUTH, MA

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Prepared by

Foster Wheeler Environmental Corporation
133 Federal Street
Boston, Massachusetts 02110



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0

Date
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Prepared by
Kevin White

Approved by
Chuck Collet

Pages Affected
All

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1.0 WORK DESCRIPTION

1.1 Introduction

Foster Wheeler Environmental Corporation (Foster Wheeler) has prepared this Work Plan for Contract Task Order No. 0048, under the U.S. Navy Engineering Field Activity Northeast (EFA NE) Remedial Action Contract (RAC) N62472-99-D-0032. This Work Plan describes remedial activities to be conducted at the Transmitter Antenna Field at the former Naval Air Station South Weymouth (NAS SOWEY) located in South Weymouth, MA. The planned remedial activities consist of removal and disposal of seven wooden antenna towers and associated soils contaminated with TAL metals. Due to funding, availability, and sequence of the redevelopment process, this work is being performed as a Time Critical Removal Action.

This decision is based on elevated levels of metals and pesticides at the base of the antenna towers during the EBS Phase II that was conducted in 1998/1999. In August/September 2001, a risk assessment was conducted due to these results to determine if there were ecological or human health risks. Although results did not indicate any human health risks, elevated levels of metals beneath the towers indicated an ecological risk. With these results and in conjunction with the upcoming property transfer, a Time Critical Removal Action was determined to be the correct mode of action.

1.2 Project Description

The Navy has directed Foster Wheeler to perform a removal action at the Transmitter Antenna Field. This work includes the following activities:

- Installation of erosion controls and clearing activities;
- Removal and disposal of seven wooden antenna towers (including waste characterization);
- Excavation and disposal of contaminated soil (including waste characterization);
- Removal of copper grounding systems around towers;
- Confirmatory sampling;
- Slope excavation perimeter to match pre-excavation grade; and
- Preparation of a Closeout Report

1.3 Scope Of Work

1.3.1 Seven Transmitter Antenna Towers

In order to access the work area, Foster Wheeler will perform limited clearing of trees and brush surrounding the seven antenna towers with a track mounted excavator (Figure 1). Once the trees have been removed the excavator will remove all guy wire supports to the antenna towers. The towers will then be toppled over and manually cut into sections. These pieces will be loaded into rolloff containers for offsite disposal at an approved facility. Remediation of soils within a 15-foot radius of each of the seven towers will be performed to a depth 0-2 feet. Soil will be stockpiled on asphalt adjacent to Building 78 (Ground Electronics) and sampled for offsite disposal at an approved facility. Upon completion of the remediation and after reviewing confirmatory sampling results, the sites will be graded to match pre-remediation slopes. The area will be allowed to re-vegetate via natural seeding from the adjacent areas. The erosion controls will remain in place throughout the demolition and remediation until adequate vegetative cover has been established to prevent silt migration during storm events.

Figure 1 Site Location

2.0 CORE WORK TASKS

For the work included in this removal effort, the tasks described above will include core work tasks as well as the task already described. These core tasks, which will be employed for the Transmitter Antenna Towers operations listed above, albeit in varying degrees, include the following:

- Mobilization
- Site Preparation
- Decontamination Operations
- Confirmatory Sampling
- Demobilization
- Final Project Report Preparation and Submittal

2.1.1 Mobilization

For operations at the Transmitter Antenna Towers a track-mounted excavator will be mobilized, all existing manpower and equipment will be utilized.

2.1.2 Site Preparation

Site preparation will occur in accordance with the Site Health and Safety Plan (SHSP). Site work zones will be established as specified in *Work Plan for CTO 48, Former Naval Air Station, South Weymouth, MA (NAS SOWEY)*.

2.1.3 Decontamination Operations

Heavy equipment and hand held equipment that has come into contact with contaminated material will be decontaminated upon completion of the required project operations and after traveling from the exclusion zones into other work zones from the site. Decontaminate rinsate will then be containerized in MA DEP approved 55-gallon drums before being disposed of off-site.

2.1.4 Confirmatory Sampling

A total of four (4) samples will be collected at each tower. One sample will be collected from the base of the tower (the center of the 30' diameter around each tower). This sample will be analyzed for TAL Metals and TCL Organic Compounds. The area will be divided into three (3) sections and a sample will be collected from within these sections and analyzed for TAL Metals.

2.1.5 Demobilization

Foster Wheeler will demobilize from the area after completion of required field operations and decontamination operations.

2.1.6 Final Closeout Report Preparation and Submittal

Foster Wheeler will prepare and submit Draft and Final Closeout Reports for all operations described within this plan. The results will be incorporated into an action memorandum and the administrative record will be available for public comment.

3.0 SCHEDULE

Documents

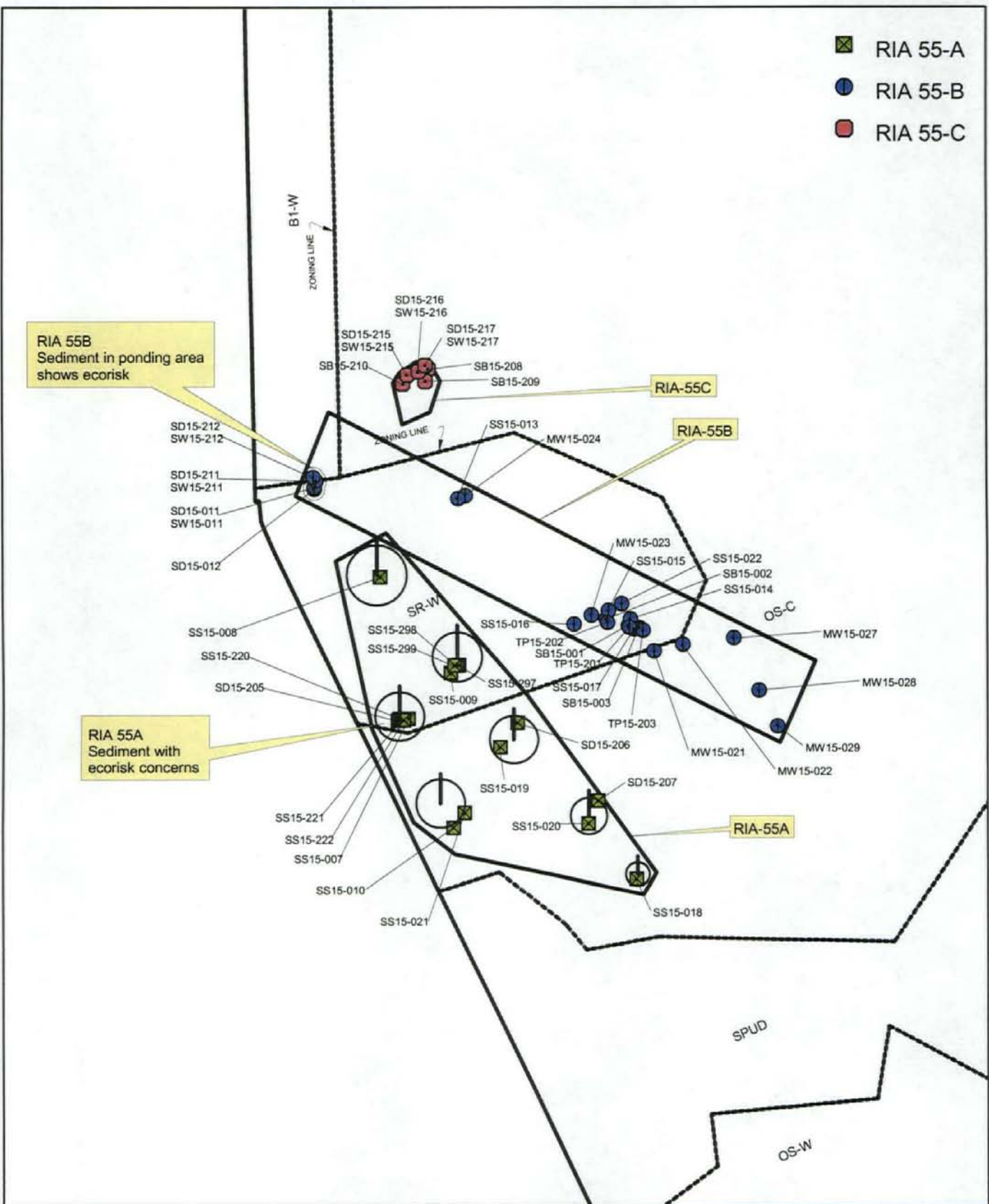
Submit Navy Letter Work Plan	09 August 2002
Comments from Navy to Foster Wheeler	19 August 2002
Submit Final Work Plan (to distribution list)	20 August 2002

Construction

Commence Construction	21 August 2002
Complete Construction	30 August 2002

Final Reports

Action Memo/Closure report Draft to Navy	04 October 2002
Action Memo/Closure report Draft to Regulators	11 October 2002
Final Action Memo/Closure Report	25 October 2002



400 0 400 800 1200 Feet



- RIA 55-A
- RIA 55-B
- RIA 55-C

RIA 55B
Sediment in ponding area
shows ecorisk

RIA 55A
Sediment with
ecorisk concerns

RIA-55C

RIA-55B

RIA-55A

